

MICROCOPY RESOLUTION TEST CHART NATIONAL MEMBER OF STANDARD STANDARD

May 84 DR-1343



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METEOROLOGICAL DATA REPORT

19318B MLRS
Missile Number 450, 411, 471
Round Number V-587/AV-7, 588/AV-8, 589/AV-9
23 May 84

by

DONALD C. KELLER
Program Support Coordinator
Phone Number (505) 679-9568
AVN Number 349-9568

ATMOSPHERIC SCIENCES LABORATORY WHITE SANDS MISSILE RANGE, NEW MEXICO

ECOM

UNITED STATES ARMY ELECTRONIES COMMAND

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Meteorological data gathered for the		ho 19318B MIDS Missile
Number 450, 411, 471, Round Number	V-587/AV-7. 588/	AV-8. 589/AV-9 are presented
in tabular form.	. 50., ,, 500/	c, so, in s are presented
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INTRODUCTION

19318B MLRS, Missile Numbers 450, 411 and 471, Round Numbers V587/AV-7, V588/AV-8 and V589/AV-9, were launched from LC-33, White Sands Missile Range (WSMR), New Mexico, at 1138:47, 1138:52 and 1138:57 MDT, 23 May 84. The scheduled launch times were 1130, 1130:04.5 and 1130:09 MDT.

DISCUSSION

Meteorological data were recorded and reduced by the White Sands Meteorological Team, Atmospheric Sciences Laboratory (ASL), White Sands Missile Range, New Mexico. The data were obtained by the following methods:

1. Observations

a. Surface

- (1) Standard surface observations to include pressure, temperature (°C), relative humidity, dew point (°C), density (gm/m^3) , Wind direction and speed, and cloud cover were made at the LC-33 Met Site at T-0 Minutes.
- (2) Anemometer data were provided from existing tower-mounted anemometers at LC-33. Monitor of wind speed and direction from one anemometer was also provided in the launch control room.

b. Upper Air

(1) Low level wind data were obtained from Pilot-balloon observations at:

SITE AND ALTITUDE

LC-33 2 km

(2) Air structure data (rawinsonde) were collected at the following Met Sites.

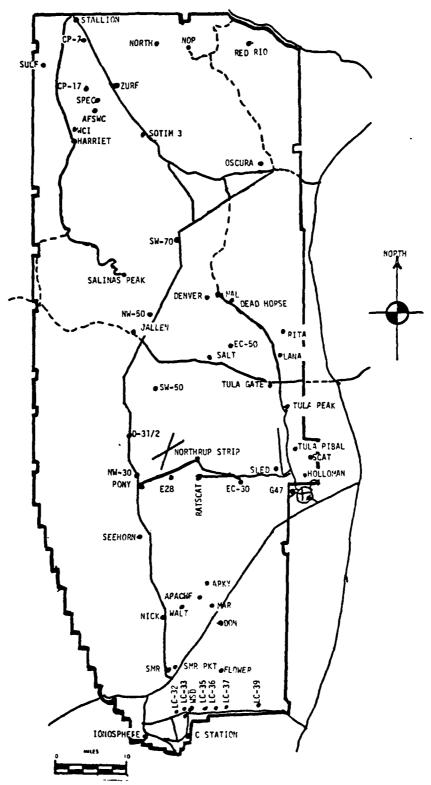
SITE	AND TIME
WSD	1000 MDT
SMR	1000 MDT
DON	1000 MDT
WSD	1139 MDT
SMR	1139 MDT
DON	1139 MDT

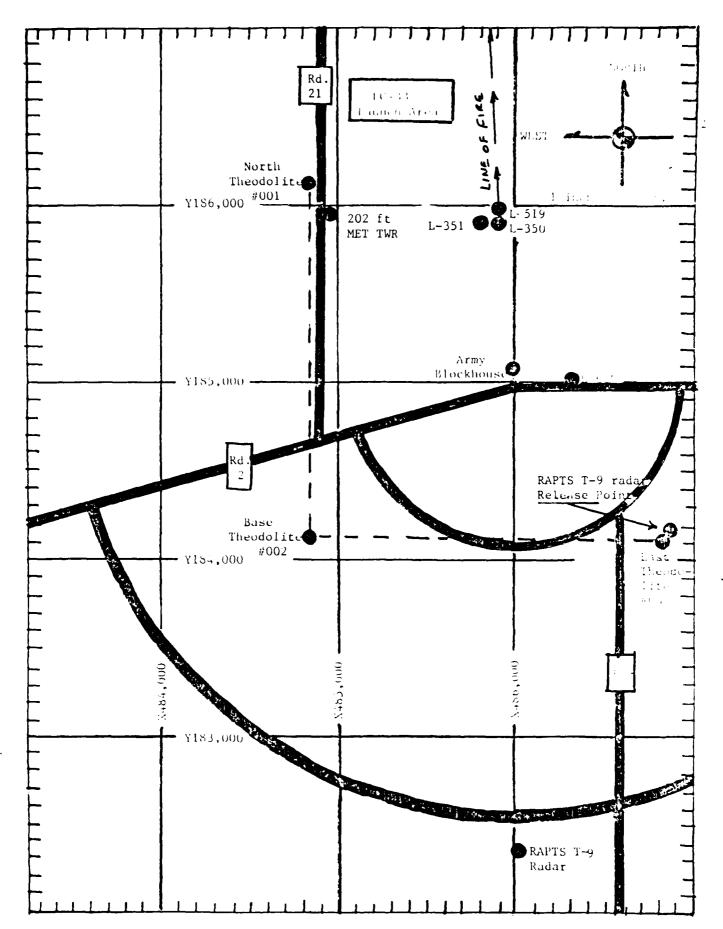






WSMR METEOROLOGICAL SITES





PPRIECT SURFACE OBSERVATION

TABLE							J.	STATIO" LC-33	33		
DATE 23	90 S 84	78	1					X= 484,982.64	>	X= 484,982.64 Y= 185,957.73 H= 3995.00	3995.00
TIRE MD T	PRESSURE mbs	TE: PE PATURE	361176	DEW POINT		PELATIVE HUMIDITY %	DE#ST]Y Gm/m3		WIND SPEED kts	DIRECTION SPEED CHARACTER degs In kts kts	VISIBIL- ITY
1139	885.9		31.9		14.6	35.		130	14		40
						,					

					CI OUDS					
085 TR UCT 1023	5	t LAYE	دء	2n	d LAYE	2nd LAYER	3rc	1 LAYE	٥	REMARKS
TO VISIBILITY ANT TYPE HGT	AMI	17/PE	HGT	AMT	TYPE	HST	4:11	ANT TYPE HGT	HGT	
	2	no	cu 7,000							

PSYCHROTETRIC COMPUTATION	ФТ 1139	TE1.P. 31.9	TEIP. 20.0	CEPR. 11.9	14.6	HUPTIO, 35
PSYCHPOL	TI::E: MDT	DRY BULB TEMP.	WET BULB TEMP.	WET BULB DEPR.	DEW POINT	PELATIVE HUMID.

LC-33 METEOROLOGICAL TOWER ANEMOMETER MEASURED WIND DATA

WSTM COOORDINATES X=484,982.64 Y=185,957.73 H=3983.00(BASE)

TABLE NO. 1139 84 M DT May DATE 23 YEAR TIME MONTH DAY 12 FT AGL LEVEL #2 62 FT AGL LEVEL #1 SPEED (KTS) DIR (DEG) SPEED (KTS) T-TIME (SEC) DIR (DEG) T-TIME (SEC) 116 12 13 144 T-30 T-30 11 131 147 80 T-20 T-20 08 146 106 06 T-10 T-10 07 131 T- 0(1st T) 117 08 T- 0(1st T) 11 130 11 153 T+10 T+10 11 136 80 T+20 159 T+20 08 139 06 154 T+30 $T + 30_{-}$ T+40 T+40T+50 T+50 T+60 T+60 102 FT AGL LEVEL #4 202 FT AGL LEVEL #3 T-TIME (SEC) DIR (DEG) SPEED (KTS) DIR (DEG) T-TIME (SEC) SPEED (KTS) T-30 143 T-30 13 116 15 133 T-20 <u>T-20</u> 11 110 12 142 T-10 T-10 11 107 11 127 T-0(1st T)11 T- 0 (1st T) 101 10 117 11 T+10T+10 125 10 T+20 129 T+2007 114 08 133 T + 30T + 3006 110 07 T+40T+40 T+50 T+50 T+60

T+60

PILOT-BALLOON MEASURED WIND DATA

DATE 23 May 1984

SITE: LC-33

TIME: 1045 MDT

WSTM COORDINATES:

X = 486,037.24

Y = 182,350.16

H= 3,997.30

SITE: LC-33

TIME 1115 MDT

WSTM COORDINATES:

 $\chi = 486,037.24$

 $\gamma = 182,350.16$

H= 3,997.30

LAYER MIDPOINT	DIRECTION	SPEED	LAYER MIDPOINT	DIRECTION	SPEED
METERS AGL	DEGREES	KNOTS	METERS AGL	DEGREES	KNOTS
SURFACE	060	06	SURFACE	020	80
150	241	02	150	289	02
210	125	10	210	126	14
270	109	16	270	150	12
330	120	14	330	134	12
390	111	20	390	101	19
500	119	15	500	099	16
650	118	14	650	120	12
800	094	20	800	121	15
950	100	18	950	102	16
1150	107	15	1150	097	18
1350	107	10	1350	132	11
1550	122	08	1550	114	11
1750	136	07	1750	122	10
2000	158	07	2000	146	07

Data obtained from a RAPTS T-9 radar tracked pilot-balloon observations.

PILOT-BALLOON MEASURED WIND DATA

DATE 23 May 1984

SITE: LC-33 TIME: 1139

WSTM COORDINATES:

X= 486,037.24

Y = 182,350.16

H= 3,997.30

SITE:

TIME

WSTM COORDINATES:

X =

Y =

H=

LAYER MIDPOINT	DIRECTION	SPEED	LAYER MIDPOINT	DIRECTION	SPEED
METERS AGL	DEGREES	KNOTS	METERS AGL	DEGREES	KNOTS
SURFACE	130	14	SURFACE		
150	270	01	150		
210	081	12	210		
270	081	11	270		
330	123	06	330		
390	088	16	390		
500	107	15	500		
650	117	11	650		
800	095	14	800		
950	116	15	950		
1150	126	12	1150		
1350	135	12	1350		
1550	171	12	1550		
1750	137	80	1750		
2000	156	09	2000		

AIMING AND T-TIME COMPUTER MET MESSAGE DATA 23 May 1984

WSD 1000 MDT	SMR 1000 MDT	DON 1000 MDT
METCM1324064	METCM1325064	METCM1326063
231600122885	231600122885	231600121884
00231010 30300885	00284010 30340885	00249005 30310884
01209014 30110875	01275014 30070875	01204010 30180874
02196015 29840851	02264013 29800851	02244012 29860849
03211014 29440813	03257012 29400812	03241015 29460811
04228015 28970766	04240013 28940766	04281010 29000765
05296008 28650722	05304009 28690722	05340008 28820721
06340010 28600682		06370009 28610680
	ewn 1120 www	DON 1120 MDT
WSD 1139 MDT	SMR 1139 MDT	DON 1139 MDT
METCM1324064	METCM1325064	METCM1332063
METCM1324064 231770122885	METCM1325064 231770122884	METCM1332063 231770121885
METCM1324064	METCM1325064 231770122884 00293012 30780885	METCM1332063 231770121885 00213010 30710884
METCM1324064 231770122885	METCM1325064 231770122884	METCM1332063 231770121885 00213010 30710884 01225014 30280874
METCM1324064 231770122885 00231010 30490885	METCM1325064 231770122884 00293012 30780885	METCM1332063 231770121885 00213010 30710884
METCM1324064 231770122885 00231010 30490885 01238013 30280875	METCM1325064 231770122884 00293012 30780885 01273014 30210875	METCM1332063 231770121885 00213010 30710884 01225014 30280874
METCM1324064 231770122885 00231010 30490885 01238013 30280875 02225020 29950851	METCM1325064 231770122884 00293012 30780885 01273014 30210875 02256012 29890850	METCM1332063 231770121885 00213010 30710884 01225014 30280874 02252014 29990849
METCM1324064 231770122885 00231010 30490885 01238013 30280875 02225020 29950851 03229011 29500813 04238005 29010767	METCM1325064 231770122884 00293012 30780885 01273014 30210875 02256012 29890850 03252011 29500812	METCM1332063 231770121885 00213010 30710884 01225014 30280874 02252014 29990849 03265008 29570811
METCM1324064 231770122885 00231010 30490885 01238013 30280875 02225020 29950851 03229011 29500813	METCM1325064 231770122884 00293012 30780885 01273014 30210875 02256012 29890850 03252011 29500812 04217011 29040766	METCM1332063 231770121885 00213010 30710884 01225014 30280874 02252014 29990849 03265008 29570811 04267014 29070765

GEODETIC CUORDINATES 32.4UI43 LAT DEG 106.37f33 LON DEG

SIGNIFICANT LEVEL DATA 1447U?0293 WHITE SANDS TABLE STATION ALTITUDE SOCKED FEET MSE. 23 HAY 64

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ASCENSION NO.

REL.HUM. Percent AIR DEWPOINT DEGREES CENTIGRADE -7.1 -12.5 -23.2 -24.4 TEMPFRATURE 27.8 26.2 24.6 23.2 PRESSURF GLOMETPIC ALTITUDE MILLIBING VOL FEET 3,79,4.3 42,73.3 4547.6 5157.0 6050.1 7474.1 8586.5 0677.0 9844.5 19579.4 14496.3 15116.2 17735.1 18694.4 12143.7 1,10.9 1,56.5 5,17.0 1.00.7

STATION ALTITUE.	Ξ,	1000 MDT	ir st Mir		UPPFR AIR DAI 144MU20293 Unite Sands	DATA 93		6EUDETIC 32.40	CUORDI
ASCENSION PLO	2				124	,		106.	3 LON PE
GEOME TRIC	PRESSURE	TEMPE	PCRATURE	RE L. HUM.	PENSITY CM/CHOIC	SPEED OF	WIND DA	ATA	INDEX
MSL FEET	MILLIDARS	PLGRELS	CENTICRADE	-	METER	KNOTS	DEGR FES (TN)	KNOTS	REFRACTION
) *c : o:	ر د	27.5	•	,	1917.4	678.	Ξ.	6.0	1.000209
40.00		7.70	15.1	46.0	1017.2	678		0.0	2000
0.20.54	^	24.5	13.6	4 5.5	1010,	674.	٠,	11.1	•
3°C^3\$	3	33.6	•	5.2.9	0.460	6		12.3	. 5002
55.0.0	1.040	25.6	13.2	6.5	064.1		C	13.5	1.000255
0.000		2.7.1		£ L.1	971.9	_	•	14.8	.000°
0.00.50	:	19.5	15	€ 3.8	6.656	•	a,	15.0	\sim
76.00.0	136.9	17.0	11.7	1.8.1	044.5	4	ċ	14.7	000.
75,30,0	126.00	16.1	11.0	7 1.8	957.1	-2	,	14.2	.0002
0.00.63	71.7.3	15.1	7.4	7 (• 2	0.24.0	ø	Ş	13.4	.0002
0.5 U.S.* 0	755.3	14.0	2.0	S. S.	911.1	25	~	12.6	• 0005
0.0000	741.5	12.5	1.1	7.00	5.049	650.3	•	10.6	₹000
0°00'55	7,2.5	11.2	2.0	74.4	こ。そのの	658	^	9.2	•
10000	717.4	12.0	4.1	۳. ۶., ۶	8.078	659	-	8.6	
105 30.0	202.05	15.2	•	F) • [P 5 1 . 4	090	184.7	œ,	1.000212
110.00	6.459	16.9	5.5-	27.3	ر م م م م	6 v 6	\subset	C • 0	1.000236
11, 0.0	5775	11.7		3.7.6	856.2	S. O	٠.	8.0	1.000272
1,000,0	665.5	4.7	5.9-	77.9	814.2	657	176.0	10.6	•
125 400	6.0.4	٠. ٠	-7.7	9 % C	901.0	655	164.9	11.6	1,000195
שיטר היונ	041.2	.) •	5.7	5.42	79.1	Ó	159.1	12.8	1.000102
1.56.00.0	0.850		5.4-		731.6	259	151.5	12.8	-
146.20.3	617.3	in Vi	10.1	1.1.2	8° L L L	651	147.0	13.0	•
145.0.0.0	S.S.S	**	¥ .0 .	0.2	70.04	679	134.5	13.1	.000
0.0001	2020		-11.5	7.4.5	757.1	279	0	13.3	1.0001 'u
155.0.0	2.4.5	1.4	-11.V	* 6 . 4	74.11.0	043	125.0	13.6	•
1 50 00	57.5.5	•	-1-	រោ • • •	٠-	77	• ن	13.5	. noo1
165 1. 0			- 3	7.7.	213.8	~3	n)	13.4	1, 500170
176 Ja. D	551.0	٠. ا	-17.9	ر 3•3	~•	6.41.7	٧.	11.8	1,000146
175.50	54.1.5	1.5-	7.1	7.5.7	•	7	•	10.4	.0001
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155.00	ر. د.	1	;	0°);	9 · · · · ·	5			1.00015
	110.1	7.5	7.00	.)	•	7:7			ے
175	7.7	10.4	J•1		24.	636			1.0001 °c

MANDATORY LEVELS 1440020297 WHITE SANDS

STATEON ALTITUDE 20.9.00 FELT 751 23 MAY 34 ASCENSION 110. 1.93

GEODETIC CUORDINATES 32.46043 LAT PEG 106.3793 LON DEG

PRESSUAL OF	GE UP OT LM II AL	TEME	FRATURE	REL.HUM.	0113	DATA
		A1 K	DLWPOINT	PERCENT	D 1 PE C T 10N	SPEED
MILLIPAPS	FEET D	EGREES	DE GREES CENTIGRADE		DEGREES(TN) KNOTS) KNOTS
65 12.1	5.143	2,5	7 2 6	54.	127.1	12.7
0.00	4000	18.1	11.8	67.	120.2	14.8
750.0	8,000	13.4	8.0	70.	137.2	11.8
0°.0'	10,00	13.7	0.4-	27.	187.1	8.6
651.65	12621	9.3	-7.9	29.	166.6	11.9
6000	14775.	3.5	-11.2	#3°	137.6	13.2
551.0	17065.	-5.4	-10.4	28.	127.9	11.6
0.003	145.4.	-6.5	-25.7	20.		

STATION ALTITUDE 2027,73 FELT MSL 23 MAY 84 1000 MDT ASCERSION NO. 53

SIGNIFICANT LEVEL DATA 1449u43055 " P R

GEODETIC CUORDINATES 32.48034 LAT DEG 106.427U7 LON DEG

TABLE 8

PUESSUAF GLOMETRIC TEMPTRATURE REL.HUM.
ALTITUDE AIR DEWPOINT PERCENT
ALTITUDE AIR DEWPOINT PERCENT
ALS.2 4907.3 28.5 16.9 50.0
802.4 4.99.5 26.4 12.5 42.0
803.0 516.7 22.8 12.4 52.0
810.4 65.75.5 19.8 11.6 63.0
745.2 2705.7 12.6 11.7 94.0
740.0 9205.9 12.2 11.7 94.0
740.0 9205.9 12.2 11.7 94.0
740.0 11597.5 13.9 -5.5
740.0 15597.5 13.9 -5.5

GEODETIC CUORDINATES 32.48034 LAT DEG 106.4£347 LON DEG	INDEX OF WEFPACTION	9.9 1.000306
GEODETI 32. 106.	TA SPEED KNOTS	0.0
	WIND DATA DIR CCTION SPEED DEGREES(TN) KNOTS	1711.5 679.2 160.0
25 A T A	SOUND KNOTS	679.2
UPPER AIR DATA 1440U40055 5 m R TABLE 9	GM/CUBIC SOUND MFTER KNOTS	1014.5
5	RF L.HUM. PE RCENT	5 C. U
. † t. OT	TEMPERFIUNE NFL.HUN. NLMSITY SPEED OF ALC. UFLPUINT PERCENT GM/CUBIC SOUND OLGW: LS CETTIURADE MFTEM KNOTS O	10.5 50.0
1000 MDT	TEMP ATO De GHF es	*) #) **
SIPTION ALTITUDE SPRANGE FEET TE. 23 MAY PA ASCENSION NO. OR		ه ده دن
STATION ALFITUIS MAY PA	GEOMETRIC PRESSURE ALTITUDE MSL FEET MILLIGARS	1.000

x 110 N	00306	003%	7 2 2 0 0	002°5	24500	የ 200	00275	00273	17 200	00244	00255	00260	27700	00218	0020B	*U0003"
IND EX OF WEFPACTION	٠ ٠	1.0	1.0	1.0	1.0	1.0	1.0		0.1	1.0	1.0	٠.	٦•١	٠ :	1.0	1.0
TA SPEED KNOTS	0.0	6.6	10.4	10.0	11.4	12.0	12.4	12.4	12.5	12.1	11.6	11.1	10.3	10.0		
WIND DATA DIR ECTION SP	160.0	150.)	156.1	152.7	149.5	146.6	144.	142.1	140.0	141.0	145.9	150.1	161.1	175.6		
SPEED OF SOUND KNOTS	679.2	679.1	674.9	673.0	671.3	9.699	667.9	666.3	3.433	663.0	661.4	4.699	659.4	686.9	6.659	0.639
ALMSITY S GM/CUBIC MFTEM	1014.5	1016.7	1000.0	6.860	986.8	5.260	201.4	0.000	954.8	3.4.9	912.9	890.1	8 c 5 . 4	86.8.5	6.54	839.7
AF L.HUN. PERCENT	5 5.0	£ 5.3	8.57	5 L.4	5 4.7	5 3.7	37 . 7	6°7 \$	75.1	91.3	8 % ×	45.1	7.1	36.0	3.5.2	25.5
TEMPERATUME ATO DEMPOTAT GHIES CETTIURADE	10.5	15.0	13.5	12.5	12.3	12.0	11.0	11.7	11.0	11.4	11.2	17.0	۲۰۰	-1.7	-6.3	0.01
TEMP ATE DEGNIES	#) #) (*)	3 H & C	25.3	23	21.3	30°	15.7	17.4	16.0	14.5	13.1	12.4	11.3	13.0	13.6	14.5
PRESSURE MILLIGARS	2000	£ 8.1.9.1	6.650	a55.J	046.1	α ο, ο,	c11.1	2.962	17	153.6	755.2	741.7	132.4	715.5	161.5	5.4.3
GEOMETRIC ALTITUDE MSL FLET	1000	46.50.0	0.00	50.00.0	55.00.0	0.00 as	55 30.0	D • 01. JZ	75.00.0	60.00	3567.6	0.00.06	95 70 0	10000.0	105 39.0	11030.0

MANDATORY LEVELS 1440C6U055 5 m R

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GEODETIC CUORDINATES 32,48034 LAT DEG 106,423J7 LON DEG

· TABLE 10

STATION ALTITUDE 2097 TO FELT WSE COMPT PRESIDENT PRESIDENT PRESIDENT PRESIDENT PROPERTY PROP

PRESSURE GFORUTENTIAL	OPUTENTIAL	TEM	TEMPEPATURE AIR DEWPOLIT	PEL.HUM. PERCENT	WIND DATA	SPEED
MILLIAARS	FLFT	DFGREES	CFNTIGRADE		DEGREFSCIN)	S I O N X
C* -1 53	5106.	25.8	12.4	52.	151.4	11.0
0.00	0.34.	17.9	11.7	67.	142.5	12.4
75 1.0	3606.	12.8	11.5	95.	147.4	11.4
0.,,0,	10<57.	13.0	-6.5	25.		

SIGNIFICANT LEVEL DATA	1440,00008	*2C	TABLE 11
	TSW LINE SPICIUS	1000 MDT	3)
	STATION ALTITUDE GOLDAND FIRS "SE	73 A 4 4 5 C	ASCENJION NO.

TABLE 11

GFODETIC CUCRDINATES 32.57709 LAT NEG 106.29459 LON DEG

REL.HUM. PEKCENT		42.0	41.0	45.0	0.64	58.0	60.0	0.49	42.0	21.0	22.0	28.0
TEMPERATURE AIR DEWPOINT	CENTIGRAC	14.0	12.0	11.0	10.3	10.1	9.5	6.1	1.7	7.6-	-7.3	28.5
TEMP ARR	DEGREFS	28.1	26.3	23.6	22.1	18.5	17.0	12.7	14.4	15.5	16.4	0.0
GEOMETRIC ALTITUDE		1.5037	8.4077	5176.1	5025.5	6.7.65	7217.2	5465.3	9,3,0	1,044.3	10564.2	12775.1
PELSSURF	FILLIBARS		a .	۲.					110°U			

		3	3	_	UPPER AIR DATA	DATA			9 1 1 M 1 M 1 M 1 M 1 M 1 M 1 M 1 M 1 M
STATION ALTER 23 MAY 84 ASCENSION NO.	3 60	1000 MDT	DT		TABLE 12	r -		32. 32. 106.	92,572,9 LON DEG 106,29459 LON DEG
SCOMETRIC F ALTITURE MOL FLET NO	FPESSURE	TEMP AI: DEGHELS	TEMPERATURE A1' DEMPUINT DEGAPLS CEPTIGNADE	HE L. HUM. PERCENT	DEPSITY GM/CUBIC METER	SPEFD OF Sound Knots	WIND DATA DIR CCTION S DEGREES(TN) K	TA SPEED KNOTS	INDFX OF Refraction
r.	() ()	ن د ،	7) • 9 F	4 2,0	1014.8	678.5	140.0	5.1	1.000293
ے	7.00	76.5	D.0.	4.1.0	1004.4	676.2	139.5	7.4	1.0002.3
c	18.00	34.45	11.6	44.2	7.760		139.2	0	1.000279
C	7.00	72.5	30.0	7 2.0	8° ₹ ₹ 6		130.0	12.2	1.000276
ر	2.4.4	21.1	10.7	1.0	7.1.0	670.2	130.1	13.9	1.000273
ے	510.0	10.7	10.4	6.5.1	0.50		134.1	14.1	1.000269
c	3.62	18.1	6.6	5 6.5	7.970		137.9	13.1	1.000265
0	7 - 1 - 7	15.0	n •	٨ (• 5	955.2	8.799	143.9	11.8	1.0002/0
c	7.47	15.5	•	5.1.4	021.8		155.2	10.8	1.000255
=	754.	14.5	7.4	5.2.5	9.806	662.5	169.	10.2	1.000250
ی	740.7	13.0	6.7	2.1 4	244.5	661.3	178.3	9.5	1.000245
رع	127.3	72.3	13° V	۲ (۰۹	P 61.7	660.5	137.6	8.3	1.0002 19
10030.0	714.5	15.5	2.4-	7.5.7	861.1	4.290	197.1	7.4	1.00021
ت	7:1.5	14.5	D • 2 -	71.5	いったかの		8.36.	7.8	1.030206
ت،	7.4.0	13.0	-7-	3.1.	8.35.4		730.0	8.6	1.000203
Ü	1.76.7	12.1	-7.5	3 4.5	0.25g		£*,0%	٥٠٥	1.000200
_	064.5	13.7	5-2-	6.50	5,10	657.2			1.000107
ت	٠,٠٠	~ 5	70.7	: 7.3	8,75.3	8.558			1.000104

MANDATORY LEVELS 1440200008 DUM

GEODETIC CUORDINATES 32,57209 LAT DEG 106,29439 LON DEG

TABLE 13

STATION ALTITUDE 40 (3.69 FEET FOL 25 MAY 84 1000 MDT ASCENSION NO. 5

PRESSUAL	PRESSURE LEUFUTLNITAL	TEMP	ERATUPE	PEL.HUM.	WIND DATA	LTA
MILL 19403	117	DE GREES	DEGREES CENTIGHADE			KNOTS
0, 5%		33.6	11.0	45.	139.1	10.4
Co. C.		18.7	10.1	8	135.0	13.5
75.7		14.2	7.7	63.	171.7	0.0
0.00	10567	14.4	0.4-	22.	205.6	6.7
3.00		7.6	7.8-	28.		

15.4331	MDT
39+9.69	74 1139 MDT
STATION ALTITUEL SOMO, PO LEET MSL	23 MAY 84 ASCLUSION NO. 194
STA 11 0N	23 MAY P4 ASCLESION

SIGNIFICANT LEVEL DATA	14.40620294	UHITE SANDS	
516			

GEODETIC CUONDINATES 32,40043 LAT PEG 106,37033 LON DEG

PLESSURF GEOMETRIC	C TEMPF ATR	RATURE	REL . HUM.
SL FEE		ENT	
65. 3949.	ċ	3	ċ
75.1 4320.	•	15.4	0.67
63.3 4776.	÷	ŝ	-
54.3 517U.	4.	÷	~;
.85.6 8.54.	œ,	ċ	~;
52.1 8674.	•	•	~
42.3 6975.	•	•	3
22.7 77.0.	•	•	Ď
10.1 10222.	•		3
JA.C 17619.	•	4	~
25.7 12432.	•	•	2
48.1 17195.	٠. •	٠ 0	\$
JG-7 17555.		25.	-
JO.0 25145.	Ġ	\$	3
.90.0 31909.	90 60 60	8 9	3
42.2 525nS.	•	67	`.
19.7 37406.	.03		
54.0 35278.	•		
30.0 3.745.	47.		
JA.01 47696.	65		
.3 4 tyke.	-66.5		
36.9 45585.	. 65		
32.5 4614.	60		
51.2 44511.	66.		
JA.7 46475.	. 7 8		
5.5 485*0.	50		
1.3 40106.	66.		
7.7 51272.	60.		
2.8 52114.	67.		
5.7 53516.	8		
1.7 54499.	8.9		
1.1 33508.	57.		
7.7 50516.	. 79		
n.n olosi.	*		
0.5 65934.	6.2		
1.7 c/c?b.	·		
7.1 65514.	S. 8.		
58262 C O	-<1.3		
.3 075 S.	47.		
.0 08155.	45.		

FTATION ALTITUDE 2009, N) FEET "SE 23 MAY 94 ASCENCION NO. 294

STGNIFICANT LEVEL DATA 1440U70294 WHITE SANDS

TABLE 14 Cont'd

REL.HUM. Percent TEMPERATURE AIR DEWPOINT DEGREFS CENTIGRADE

PPLSSURF GEOMETRIC ALTITUDE MIELIDAMS MOL FEET

-42.0 -39.0 -48.6 97611.4 95194.6 97655.1 15.5 14.5 13.1

GEODETIC CUORDINATES 32.4UN43 LAT DEG 106.37 333 LON DEG

	UPPER AIR DATA	
TON ALTITUDE FORUSCH FELT MSL	1440673994	GEODETIC
TOM 98 1139 MDT	WHITE SANDS	32.400
TOTAL TOTAL		106.37

TABLE 15									1	
TABLE 15		,	ATM DY I	E		HITE SA	20		32.1	10043 LAT DE
### TABLE 15 ##	131CN	0,		-					3	7733 LON BE
H. C. S. M. C. L. P. C. L. M. C.						-				
######################################	1910	1 5 S U A	ر لا يه ام ر	72 4	F L. HUM	DEMSITY CASCALL	PEED O	Q QUIN	TA	Last 1
1000	1 E T	166164	E GR! ES	LATICAAD		METER	NOT	EGREESCTN	202	EFRACTIO
1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	C. 0.	9 30	79.7	•	ځ	011.	80.	Ċ		7000
1000	0	20.2	30.66		٠,	11:	80.	ċ		5000°
1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	J. O.	659	26.1	•	٠	20.0	77.	5	ċ	.0002
12.000	J. 36	.655	5.55	,		•	75.	,		.0002
	0.03	040	23.1	.;	-;		72.	90	2	7000
1000	30.00	0,0	21.0	٠,	ó	ċ	7.	2 × .	₽	.0002
797.1 13.6 11.0 64.7 667.8 174.7 8.5 10002 765.5 14.5 5.4 7.7 665.8 124.1 6.2 10002 765.5 14.5 7.2 66.2 15.0 6.2 10002 755.5 14.5 7.2 66.2 15.0 6.0 10002 755.6 13.4 7.2 66.2 16.0 10002 755.6 13.4 16.0 10002 10002 755.7 11.2 66.0 16.0 10002 775.6 11.2 66.0 16.0 10002 775.7 11.2 75.0 16.0 10002 775.7 11.2 75.0 16.0 10002 775.7 11.2 75.0 16.0 10002 775.7 11.2 75.1 65.2 16.0 10002 775.7 11.2 75.1 16.2 10002 10002 10002 775.7	0.07	31.	23.1	:	رد		59.	26.	÷	₹000
783.1 77.2	0.00	797	13.0	÷	÷	٠.	57.	24.		.00026
766.5 15.9 9.9 7.7 921.7 664.3 134.7 5.2 10002 725.5 14.5 9.9 7.12 99.7 662.7 152.0 5.7 10002 725.5 14.5 9.9 7.12 99.7 662.7 152.0 5.7 10002 725.5 14.5 9.2 7.2 89.7 661.3 178.7 6.9 100002 725.5 12.6 7.2 89.7 861.2 169.0 144.0 8.7 10002 725.5 12.6 7.2 81.7 862.7 169.0 144.0 8.2 100002 725.5 11.2 7.2 7.2 87.7 861.8 14.0 16.8 11.8 100002 725.5 11.2 7.2 7.2 87.8 652.8 168.0 14.5 10002 725.5 11.2 7.2 17.2 7.2 17.3 652.3 175.0 14.5 100002 725.5 11.2 7.2 17.3 7.2 7.3 162.0 14.5 100002 725.5 11.2 7.2 7.2 7.2 7.3 162.0 14.5 100002 725.5 11.2 7.2 7.2 7.2 7.3 162.0 14.5 162.0 14.5 100002 725.5 11.2 7.2 7.2 7.2 7.2 7.2 7.3 162.0 14.5 100002 725.6 11.2 7.2 7.2 7.2 7.2 7.2 7.3 162.0 14.5 100002 725.7 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.2 14.2 7.2 16.0 17.2 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.2	0.09	783.	17.5	ڻ	;	.•	55.	54.	•	√7000°
1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	J. n	765.	15.9	•	~	_•	54.	34.	•	• 0005 6
7.6 13.4	0.00	755.	44.0	•	:	*	52.	5 ≥	•	\$7000°
7:2. 64:5 844.9 660.3 178.7 6.9 10000 7:2. 7 7:2. 660.6 184.7 6.9 10000 7:2. 13:6 -5:2. 76.0 87.2 660.6 184.7 10000 7:2. 13:6 -5:2. 76.0 87.2 650.6 186.7 10000 655.2 10:0 10:0 10:0 10:0 655.2 10:0 10:0 10:0 10:0 655.2 10:0 10:0 10:0 10:0 655.2 10:0 10:0 10:0 10:0 655.2 10:0 10:0 10:0 10:0 655.2 10:0 10:0 10:0 10:0 655.2 10:0 10:0 10:0 10:0 655.2 10:0 10:0 10:0 10:0 655.2 10:0 10:0 10:0 10:0 655.2 10:0 10:0 10:0 10:0 655.2 10:0 10:0 10:0 10:0 655.2	000	14.	13.4		ċ		5.	60	•	.00025
775.c 13.t 2.5 51.7 867.2 660.6 164.0 8.2 10000 600.6 164.0 16.5 10000 600.6 164.0 16.5 10000 600.6 16.5 10.0 10000 600.6 16.5 10.0 10000 600.6 16.5 10.0 10000 600.6 16.5 10.0 10000 600.6 10.0 16.5 10.0 10000 600.6 10.0 10.0 10.0 10.0 10	0.00	1:5.	12.0		\$		Š.	7.88	•	70000
11.6	٠,١٢٠	715.	13.4	3.5	. :	•	50.	•	.	£ 7000°
0.000, 11.2	0°00	703.	2.5	**	ِ ن	•		~ ; 30	· •	.0002
65.7 17.0 17.0 17.0 65.7 17.0 17.0 17.0 17.0 65.7 17.0 17.0 14.0 1000 65.7 17.0 17.0 14.0 1000 67.2 17.0 16.0 14.0 1000 67.2 4.2 16.2 17.1 1000 67.4 4.2 17.2 17.2 1000 67.4 4.2 16.2 17.2 1000 67.4 4.2 16.2 17.0 1000 67.4 4.2 16.2 17.0 1000 67.4 4.2 16.2 17.0 1000 67.4 4.2 16.2 17.0 17.2 17.0 67.4 4.2 16.2 16.2 17.0 17.2 17.0 67.5 4.4 17.2 17.2 17.2 17.2 17.0 17.0 67.7 4.4 17.2 17.2 17.2 17.2 17.2 17.0 17.2 17.0 17.2 17.0 17.2 <td< td=""><td>ည် ရ</td><td>0.09</td><td>ກ• ເພ</td><td>() () () ()</td><td>٠,</td><td>÷,</td><td></td><td>יי סיי</td><td><u>.</u>,</td><td>7000°</td></td<>	ည် ရ	0.09	ກ• ເພ	() () () ()	٠,	÷,		יי סיי	<u>.</u> ,	7000°
652.5 7.4 7.5 7.1 652.0 165.0 14.5 1.0001 623.5 6.1 -5.4 7(.4 72.7 934.1 652.0 165.0 14.5 1.0001 623.5 6.1 -5.4 7(.4 72.7 934.1 652.0 165.0 14.5 1.0001 623.5 6.1 -5.4 7(.4 72.7 94.0 654.0 165.0 14.5 1.0001 623.6 6.2 6.2 6.2 15.2 15.2 15.2 15.0 14.5 15.0 14	ပ္ (၂)	•	11.6	A 0	9 7 9 6 9 6	٠,		ر د	· .	7000
677.5 67.6 67.4 162.0 16)	000	0.		0 0	•		_ (1	•	2000
\$29.0	֓֞֞֞֞֞֞֜֞֞֜֞֞֜֞֜֞֜֞֜֞֞֜֞֜֞֜֞֜֞֜֞֜֞֜֜֝֓֓֓֞֝֜֜֜֝֡֓֓֓֡֝֡֓֡֓֡	170		7.41	· ·	• -	. 4	0 ¥		
55513.6				0	7 (٠,	~ ~	,		000
\$50.4	0.00	017		3.01-	2.65	-	50	X	2	.0001
Section	0.0	,	•	-14.5	0.80	, •	6.0	\sim	۲,	.0001
554.1 1.6.2 725.8 546.1 136.5 14.2 1.0001 575.2 1.1 -10.1 56.4 729.7 544.5 13.4 14.0 1.0001 54.1 -10.1 56.0 70.9 642.9 140.4 12.6 1.0001 54.1 -2.4 -19.5 55.5 70.9 642.9 140.4 12.6 1.0001 54.1 -2.4 -19.5 55.5 70.9 640.0 140.4 12.6 1.0001 54.1 -2.4 -10.6 7.6 67.4 6	0.07	295	•	-13.7	3 6 5	٠,	٤٦.	7	(4	.0001
573.2 -16.6 26.4 729.7 644.5 134.4 140.0 15.00	<u>.</u> ک	• 7 55	٦.	-15.2	~		93	₩.	,	.0001
56.0 719.6 642.9 140.7 13.8 1,00016 55.1 -2.4 -19.5 55.5 709.8 641.3 147.4 12.5 1,00016 541.7 -3.5 -3.5 699.2 640.0 161.7 10.8 1,00016 541.7 -3.5 -3.6 6.67.2 636.9 173.9 9.2 1,00016 571.1 -5.5 -7.6 7.8 67.4 67.4 7.7 1,00017 571.1 -5.5 -7.6 7.8 1,00017 7.8 1,00017 571.1 -5.6 7.1 656.7 635.5 27.0 7.8 1,00017 571.1 -5.6 7.2 635.5 27.0 7.8 1,00017 471.1 -5.7 7.5 7.5 1,00014 471.2 -15.1 6.0 6.3 7.5 1,00014 471.2 -15.1 -15.1 6.0 6.9 224.0 5.5 1,00014 471.2 -15.1 -15.1 7.0 6.0 6.0 27.0 6.0 <t< td=""><td>J. CO.</td><td>573.</td><td>:</td><td>-16.6</td><td>j</td><td>•</td><td>, 4,</td><td>3.4</td><td>4.</td><td>• n001</td></t<>	J. CO.	573.	:	-16.6	j	•	, 4,	3.4	4.	• n001
541.7 -2.4 -19.5 35.5 709.8 641.3 147.4 12.5 1.00016 541.7 -3.5 -3.6 699.2 640.0 161.7 10.8 1.00016 541.7 -5.5 -70.6 3.6 689.2 640.0 161.7 10.8 1.00016 571.1 -5.5 -73.4 72.4 637.8 136.9 7.7 1.00017 571.1 -5.5 -73.4 72.4 635.5 717.7 5.8 1.00017 471.1 -5.5 -75.7 7.1 644.2 725.7 5.7 1.00017 471.1 -70.7 -70.3 71.8 626.4 631.3 724.6 5.4 1.00014 471.2 -70.7 -70.7 7.0 614.8 679.9 724.6 5.5 1.00017 472.2 -10.7 -70.7 7.0 7.0 617.8 7.0 7.5 1.00017	ر . روي	26.	-:-	-10.1	,	·	25		*	.0001
541.7 -5.5 -7.6.6 74.5 699.2 649.0 161.7 19.8 1.00016 511.2 -7.4.5 5.9.2 649.0 173.9 9.2 1.00016 511.3 -7.4 -7.6 7.4 637.8 156.7 7.7 1.00017 7.7 1.00017 7.7 1.00017 7.7 1.00017 7.8 1.00017 7.7 1.00017 7.8 1.000	0.000	> > < <	** 7.	5.66	J.	•	-		۲.	.00014
511.3	J. (1)	541.	-3.5	9 5 1	,	•	٠. ق	5	ċ	.00016
571.1 -5.5 -73.2 7.8 637.8 73.4 136.7 7.8 1.00015 571.1 -5.4 72.0 664.7 636.7 701.5 6.2 1.00015 571.1 -5.2 -73.4 72.0 654.3 635.5 717.0 5.8 1.00015 451.1 -3.5 -75.4 71.2 646.1 637.2 724.4 5.4 1.00014 47.1 -7.5 -7.6 7.8 656.7 637.7 724.4 5.4 1.00014 47.1 -7.2 -7.2 7.0 614.8 639.9 724.4 5.5 1.00014 45.5 -75.1 -70.1 7.0 614.8 628.4 727.0 5.5 1.00014 45.4 -7.5 -7.5 -7.5 7.0 617.8 7.5 1.00014	ر. این	.:	5-	9.2	-;	•	30.	~	•	0.0015
11.1	<u>ن</u> د	٠١٠٤	-5.3	- 3.5.	. ;	•	~	8	•	, 000 ·
7.1.3 -775.7 71.1 656.5 635.5 717.7 5.8 1.00015 401.1 -3.5 -76.0 71.2 646.1 634.2 725.7 5.7 1.00014 401.1 -7.5 -27.4 71.5 626.2 637.7 724.4 7.4 1.00014 47.1.1 -10.7 -76.3 71.8 626.4 531.3 724.7 5.5 1.00014 46.5 -11.4 -70.1 7.5 607.4 628.4 727.0 6.3 1.00014 46.6 -11.1 -70.1 7.6 790.1 577.0 7.5 1.00017	0 • كار ،	110	-5.5	4.4.	•	•	9	5	•	. 0000
461.1 -3.5 -76.6 71.2 646.1 674.2 725.7 5.7 1.00014 451.1 -3.5 -7.4 71.00014 451.1 -7.5 -7.4 71.00014 471.1 -7.5 -7.4 71.00014 471.1 -70.2 -7.4 71.8 628.4 631.3 724.9 5.4 1.00014 471.5 -71.8 614.8 629.9 724.9 5.5 1.00014 473.6 -75.1 -70.1 7.5 1.00014 473.6 -75.1 -70.1 7.5 1.00017 7.5 1.00017	J.C.	-,	-1-	7.50-	÷	•	35.	~	•	.00015
451.7 -1.5 -1.64 21.5 656.7 637.7 224.6 5.4 1.00014 47.4 -10.7 -1.8 624.4 631.3 724.9 5.4 1.00014 46.3 -11.4 -19.2 2.0 614.8 629.9 226.4 5.5 1.00014 45.6 -15.1 -10.1 2.3 6.3 1.00017 444.7 -14.2 -71.0 2.6 599.1 527.0 7.5 1.00017	O. 00:	٠ ١٠٦	4.6-	2.0%	÷	•	,	2.5	•	, non ,
4713.7 -36.3 71.8 624.4 631.3 724.9 5.4 1.00014 4713.9 -79.2 724.9 5.4 1.00014 4713.9 -79.1 70 6.3 1.00014 4715.1 -70.1 7 4771 71.0017	U	47.1.	5.4-	4.1	÷.	•	٠. ۳.	7.	•	.00014
46.45 -11.4 - 9.2	S.	47.0		m 0 1		•	31.	7 7		. Nu014
4.5.6 -15.1 -10.1 7.3 607.4 628.4 727.9 6.3 1.9001 -14.2 -11.0 7.6 599.1 577.0 720.0 7.5 1.0001	ر. دور	• • • • • • • • • • • • • • • • • • • •	1.		. 1	•	9	ζ,	•	00017
444.7 -14.2 -71.0 7.6 59%.1 677.0 720.0 7.5 1.0001	0.07	*) •7	-15.1	1.2	•	٠,	28∙	~	•	1006
	·	• 7 7 •	7 (2.1	. ,	,	ر د	c		

S ALIKA	1139 MDT	
C SELECT		•
144002	ALTITURE 12 0.00 PEET MSL	PLTITUDE 32
IV HUNGO		

C Do

H DATA

4 NO 11 V1	LTITUDE 32	0,00 FEET	15 W 13		9 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	76		GEODETIC	COONDINATE
HAY S	3	1139 MDT			WHITE SANDS	va		32.	32,40043 LAT DEG
2C EN 21 ON	* * * * * * * * * * * * * * * * * * * *				TABLE 15	Cont'd		• 000	
CLOME TP1C	PRESSURE	1.3	3. 3.	RE L. HUM.		SPEED OF	WIND D		INDEX
ALTITUDE MSL FEET	MILLIDAKS	#1" DEGR' LS	CENTICPADE	-	GM/COBIL METER	KNOTS	DEGREES(TN)	XNOTS	OF REFRACTION
رو	27.5	~			~	6.5	· ·	•	1,000111
0.00	7.7	-17.5	- 55.0	9 ***	571.1	622		. 0	1,000129
4.5	. 1 .	2	5.73-	۳,	ે	621.	182.8	•	1000
	40.4	97-	2.51-	73.9	2	619.	178.0	7° 4	.0001
. 5	304.	-21.4	- 40.3	÷	4	613	173.5	0.4	•
٥	٠ ٢ ٢ ٢ ٠	-22.1	- 17.1		26	616.	170.6	7.8	.0001
u;	.7.	5.45	0.01-	0.35	-,	615.	167.7	7.6	_
7	. 7.7.0	-25.5	5 · 8 · -	7.3	2	13	165.1	7.6	.0001
75.	J61.	-76.5	2.61-	2.4.5	511.3	611.7	162.5	7.7	•
ين م	354.	-27.9	9.0.4-	2.4.5	~	10.	164.6	7.6	1.000113
2	.40.	7.12-	-41.5	0.5	5	08.	167.5	7.5	.0001
ů,	534.	-70.5	-42.5	2.6	۳. ت	00.	169.1	7.0	1.00010
500	132.	0.12.	145.4	4°);	2	605.2	170.4	6.5	. noo1
00	375.	-73.1	-43	3.1.2	472.2	603.6	172.1	6.5	.0001
250	510.	4.75	-45.3	² 1. y	0	602.	174.3	9.9	1.000104
=	511.	- 15.7	5.04-	3 2.7	Ω	•	151.7	5.6	.0001
ر. ایا	305.	-17.0	-47.2	7.5.4	Š	593	190.4	6.7	1.000101
. , . ,	• 0 6 3	-73.5	Ú	4.6.2	-3	597.	194.6	7.1	.0000
Š	· ? 6.7	5.61	•	?	~ `	595	197.4	7.6	1. n000008
2		1.07-	->5.4	17.4.0	~u •	294.	197.4	∞ . (
5	. 44.				_	20	495.9	9.5	1.000003
ر بن	.7.2.	7.5.5			_	20	197.0	7.0	
45.	,67.	-43.1			4.05.7	S	201.9	6.3	1.0000 90
So :	.692	7.57-			∽	Š	237.0	•	, 000 J
551	.5.7	-46.5			σ.	586.	212.6	ċ	.0000
ຸ່	.4.7	2-17-			ത	584.	213.4	•	0000.
· .	. 777	0.67-			\$70.9	80	212.2	2	000
į	-5.7 β•	2 • 0 3 =			`	χ. Υ	209.5	•	0000
75.	• 7 <u>*</u> 7	-51.4			J.	SAS.	30 k . a	•	$\overline{}$
		0.2.			S	2 / S	205.2	٠	000
5	.127	7.55			in	576	204.1	٠	1.000°
ξ,	.10.	- 5.1			344.1	575.3	203.3	21.4	1,0000,1
S.	٠11.				9	~	, 20c	•	_
<u> </u>	. 20.	-615-			33.	٧.	₽. ℃0¢	•	1.00004
0.00	• [] •	1.00-			۵,	٠.	197.7	•	$\overline{}$
41703.0	127.	5.431			÷,	• ₩	٠,	•	1,000072
415.00	125.	-			÷.	247.4		•	1,000,1
0.0.0.3	127.	•			\$ 000 000	65.	~ ,	•	1.000049
U*0/ > *9	ָּרָ יֻ				.*	264.4		•	1.000usk
2.00017	170.	144.5			, ,		101.7	•	1.000060

WAS USED IN THE INTERPOLATION AT LEAST O'L ASSUALD RELATIVE HUMINITY VALUE

UPPER AIR DATA	144000004	WHITE SANUS
	154 J 734 F 6 4 A	1139 MDT

STATEON ALTITUDE ASCENSION NC.

GEODETIC CUORDINATES 32.40043 LAT DEG 106.37733 LON PEG

15 Cont'd

TABLE

GLOME 1910	FRESSURE	TLMPE	RE L. HUM.	DEMSITY	90	WIND DA	ŀ	INDEX
ALIII UDE PSL F EET	MILLIDARS	DEGREES CENTIURADE	•		KNOTS	DEGREES(TN) KN	KNOTS	KEFRACTION
0.01 52.4	174.	-(5.5		292.2	561.4	7.36.7	30.4	1.000045
447.00.0	170.	166.0		304.6	*^	200.5	31.0	1.0000.54
445 00.0	165.	-47.0		250.8	S	212.1	59.4	1,040343
450000	14.1	-63.0		275.1	587.2	215.1	27.8	1,00001
0.00.204	157.	149.5		303.6	•^	0.050	25.2	1.0000.50
46309.0	15.5	0.4.1		202.8	۷1	728.0	55.9	1.0000 54
465 0.0	14%	-17.5		7,1,5	Š	238.2	20.8	1.000057
47(~,0.0	146.	プ・トレー		247.9		250.4	19.5	1,000055
0.0.517		·· • · · · · · · · · · · · · · · · · ·		247.2	^	256.7	18.1	1.000054
0°00 307	170.	160.1		234.6	'n	262.1	16.7	1,000053
42500		140.0		237.5		763.1	15.6	1.000051
الوائل 1942		-47.2		3.2.		262.2	14.6	1.000450
0.00.364		-67.3		217.9		7.40	14.0	1.000049
51.0.00		6.11-		2110		269.	13.7	1,0000 47
50503.0		168.1		٤ • ٥٥ د	5	7.575	13.2	1.000046
510.0.0		0.691		203.6	ς. Σ.	7,55,	12.3	1,000045
51500.0	116	160.0		7.441	556.9	0.265	11.6	1.000044
5.(10.1).13		-67.1		147.6	\$5	790.4	10.5	1.000043
575 0.0		-17.0		107.7	558.	1,40,	9.5	1.000042
535,00.0	1117	1,63.6		10.4	557.7	7.666	3 · 8	1,00001
5.25 D.U		4.831		175.0	557.5	245.7	7.9	1.000040
6.00.75		4.00		174.5	557.5	104.1	7.1	1.000 u
545 00.0		4.841		170.1	557.5	117.7	6.7	1.000J*
55000.0	26	-64.3		16.8	557.6	1.011	7.9	1.0000 17
555 0.0		-63.1		101.6	557.8	315.1	0.9	1.000030
0.0000		1.0€1		157.4	558.0	101.0	5 • 5	1,0000 15
Se5 10.0		-67.3		157.4	558.2	3.450	5.0	1.00001
571 60.0		- 47.7		140.5	5.K35	n. 25c	5.6	1.000 43
11.4.57.2		-47.0		145.7		255.0	0.9	1.0000.32
56000.0		-47.,		142.0	558.7	1,00%	6.5	1.00001
J. 3. 3.c.S	<u>.</u> 2	5.27.		130.4	<u> </u>	1858€	7.3	1,0000,1
6.90° 96.8		7.54-		154.0	560.8	251.7	8.2	1.0000.1
5.95.70.6		1 + 4 - 1		120.6	•	121.3	7.0	1.0000.79
4,6370.0		X * NY		126.3	^	214.1	7.6	1.0000.5
5.5711.0	., .,	7.5.4		127.1	561.8	211.1	7.9	1.00007
				•		1 4 7 6	•	

1.000022 1.000025 1.000025 318.1 303.0 304.5 305.0 0000 0000 0000 0000 0000 0000 1,50 -63.1 -65.1 -67.3 2.54-2.52-5 1.45-3 1 . 7 . 1 1,5.7

	GEODETIC COOMDINATES	32.40043 LAT DEG	106.37033 LON DEG
UPPER AIR DATA	1440020294	WHITE SANDS	
	LTITUOL , G.	11.39 NUT	ACCENDION NO. 194

GLOME TRIC	PRESSURE	TEMPERATURS A12 OFFIDER	RE L.HUM.	PEHSTTY CALCUSTS	SPEED OF	Q GNIN	ATA	INDEX
3F FEET	MILLIBARS	DIGRIES CLNTIGRADE		METER	KNOTS	DEGREES (TN)	KNOTS	REFRACTION
625.0.0	÷.	-63. J		25.		ď	7.7	45 0000 T
0.000		-620		10 4.2	564.9	120.5		1,00002
S.00.8	, , ,	-62.4		4.00.4	565.0	~	10.5	0000
0.000	59.	7-62.7		94.5	565.1	C	10.3	, 0000 ·
5(0.0)	57.	-62.1		٠	566.0	118.4	· oc	^
0.000	95.	-41.4		Č	566.9	- 40	7.1	0000
0.0ر، د	55.	-60.1		c	567.8	115.1	3.4	0000
0.00	5.5.	-60.1		8.9	558.7	~	• 5	0000
20.0	5.2.5	7.63-		9.50	569.5	73.4		•
C 00 0	51.	D. E. S. L.		•	570.2	O. 4 &	M . W	1,000019
S. 69.5		S.		•	570.4	\sim		•
0.07.0	46.	, 5.8.1		19.8	8.078	102.4	10.3	00001
5 39 n	4 . 4			77.3	571.2	~	13.6	
0.00.00	4 0.	-57.4		15.4	571.7	10.0	12.8	1,000017
ن• کار پ	45.	-57.5		71.5	572.1	-	12.1	00000
0.000	4.4.	-57.2		71.7	572.5	103.6	11.3	10000
S CC - J	43.	7.9%-		6.69	572.9	109.7	19.6	•
6.000	• - 7	-56.5		0 F . 2	573.4	•	6.6	1.000015
S CD S	۲۱.	-0		66.5	573.8	126.7	8.0	10000
0.000	. ነ	2.55-		8.70	574.2	136.1	6.6	
5 00 0	э • • • •	٠.		64.2	574.7	140.7	ય જ	1.000014
0.00	3	u : 1		61.6	575.1	136.6	٥ • B	•
1.00 C	. / 5	•		00.1	575.5	131.7	•	1,000015
	, ,			\$°.6	575.9	123.0	4.7	•
0.00.0	2	0 · 4 · 1		57.1	•	121.2	5.1	10000
3.00.0	in M	6.83-		55.7	•	117.1	3.6	1.000012
	•	3.55		24.3	577.2	127.2	٠.	10000
	· ;			2.0	^	276.7	9.	1.000012
- C	·	2000		51.7	ď	*.58°	٠ <u>٠</u>	1.000012
0.00	:	0.25		30°4	578.5	75.2	1.0	1.000011
٥ د د د د د د د د د د د د د د د د د د د	- 1	175.		7.0.1	œ.	36.4	2.1	1,000011
ور اور	·)	T 151		47.0	79.	55.0	8.5	1.00001
0.15	·	-<1.,		44.7	0	62.4	5.1	1.000010
0.00	6.6	A-051		45.5	0.6	6.59	• •	1.000010
2.015	5 ~ •	7 • 7 • 7		6.4.3	÷		4.7	1.000010
ر دن دن	٠٢٠	5.47-		4.1.2	82.	ζ.	٥, ٧	1.000010
0.5715	:73	6.5%		4.2.1	583.4		7.1	1,0000 0
0.00	- <u>}</u>	163.		41.	*	75.7	J. 7	1.00000
		-47.0		20.0			•	1.0000.0
2	•							

GEODETIC CUORDINATES 32-4UG43 LAT DEG 1U6.37033 LON DEG		INDEX	0.6	REFRACTION	1.000U^8	1.00000	1.000008	1.00000	1.000008	1.000013	1.000007	1,000007	1,00001	1.000007	1.000ur	1.0000.1	1.000006	1.00000	1.0000.0	1.000006	1,000016	1.000036	1.000076	1.000001	1.900005	1.0000 -5	1.000005	1.000005	1.000ucs	1.000005	1.0000.5	1.000004	A.0003 P4
GEODETI 32. 106.		14	SPEED	KNOTS	7.8	& • &	7.6	10.1	10.8	11.5	12.2	12.9	13.7	•	15.3	15.2	15.0	14.9	14.1	13.2	12.3	12.5	13.1	13.8	13.3	12.5	11.7						
		WIND DATA	DIRFCTION	DEGREES(TN)	96.8	104.9	107.7	109.7	111.4	109.7	107.7	105.9	104.6	103.5	102.6	105.1	108.7	112.3	113.0	113.1	113.1	116.7	120.7	124.4	124.5	123.9	123.3						
DATA Se Se	Cont'd	SPEED OF	SOUND	KNOTS	585.7	585.0	586.3	586.6	586.8	587.1	587.4				588.6	586.9	589.3	589.6	200.0	590.3	200.7	521.0	591.4	501.7	592.1	60263	594.8	2.965	527.3	597.2	597.0	576.8	2.905
UPPER AIR DATA 1447U2U294 WHITE SANDS	TABLE 15 Cont'd		GM/ CUB 1C	NF TER	38.1	37.2	36.3	35.5	34.4	ec. • · · ·	34.0	37.3	31.5	37.8	30.1	7.02	28.7	28.0	27.3	7.6.7	56.1	25.5	6.77	24.3	24.7	24.1	22.5	21.9	21.3	6°∪?	7° u ?	ດ•ນາ	10.6
5		KF L.HUM.	PERCENT																														
3020.73 FEET "SL 1139 MDT		∃db.	MIS DEMPOTINT	DEGREES CENTICAADE	-47.1	7.94-	-46.7	.46.5	7.97-	7.97-	-45.0	-45.0	-45.4	-45.2	A.77-	. 0.44-	7.77	-44.1	-47.6	-43.5	-43.5	-43.0	-42.7	-6.53	-42.6	-41.0	0.01	5.8%	136.1	2.8.	-74.5	1.0.1	70 20 21
TUBE.		PRESSURF		MILLIBARS	1.5	5.4.5	~	25.1	.,	24.1	-	21.1	20.0	20.1	19.7	19.3	10.0	13.4		17.6	17.0			16.1	15.7	15.4	11.0	14.1	14.4	14.1	13.0	13.5	13.2
STATION ALTI 23 NAY 84 PSCENSION NO		GEOME TRIC	ALT1TUBE	HSE FEET	63500.0	34000	0.65.346	85000.0	3.55.03.5	0 00000	365 JC 0	8.70 CO . n	87500.0	8.0000	845 00.0	3 90 00 0	×.	0.0000 o	05	9.10.00.0	915 36.6	0 5G (10 ° U	9.52.0	9.10.30.0	9.55.00.0	J*(เ∩ D≯6	0.65.556	95000.0	955 c0 c	0.00.000	3	ري	9.75 Ju. U

STATION ALTITUDE Joed. THEF MSL 23 MAY 84 1139 MDF ASCENSION NG. 154

MANDATORY LEVELS 1440U20244 White Sands

GEODETIC CUONDINATES 32,40043 LAT DEG 106,17033 LON DEG

PRESSUPE G	GFOPUTEN TIAL	75	MPEZATURE	REL.HUM.	0 07 73	DATA
		AIR	DEWPOINT	PERCENT	DIRECTION	SPEE
MILLIPA"S	FEET	DEGREES	CFNTIGAADE		DEGPEES(TN)	
P57.7	5167.	24.1	13.6		OC	12.1
0,11,0	0865	18.9	11.1		124.8	9.1
75.0	87.J.2.	14.0	0.1		0	2.5
79.1.07	10500.	13.7	6.4-		102.4	10.4
65.1.0	1,549.	٥• ٥	6.9-		167.1	
0.001	14791.	3.4	-13.1		1440	
ر*ر\$ء دير*	17004	7.07	-19.0		150.1	12.2
5-01-0	19541.	M	-25.R	21.	218.9	5.8
U* U S 7	14203.	- 13.5	- 50.4		222.0	8.9
439.0	75102.	- 20.5	-35.7		176.9	8.3
75/1.9	76200	- 28 - 7	-41.2		106.6	7.5
300.00	21945	- 18.1	U.84-		194.0	7.0
0.052	15886.	7 - 47 - 7			211.6	10.2
200.00	40.64	- 59.3			196.7	25.2
175.0	43364.	- 65.3			206.9	10.2
151.9	,0 544.	- 67.5			237.0	21.0
125.0	43030	-63.0			7.69.7	13.7
100.0	54'31.	- 68.4			316.9	6.7
0. 18	54735.	- 66.2			220.0	8.0
6.7	61419.	- 63.2			192.0	4.3
0.00	64552.	- 62 • 8			121.5	11.1
5 1.0	63256.	- 58.8			97.2	6.3
0°57	7.8c5.	- 55.7			153.7	16.0
•	73959	- 51.3			50.5	4.3
24.0	P237T.	- 47.2			91.2	7.5
	8774N.	- 45.1			101.3	•
1	. 960,50	8 6 6 -			127.2	11.7

|--|

SIGNIFICANT LEVEL DATA 1440LGCDSG S M R

GEODETIC CUONDINATES 32.46/34 LAT DEG 106.42707 LON DEG

104.0 1997.3 200.0 15142.4 200.0 5142.4 295.6 717.6 734.2 9289.8 703.0 10005.0	mst fert	AIR DEGREFS	TEMPLIATURE IR DEWPOINT REFS CENTIGRADE	PERCENT
2000 C C C C C C C C C C C C C C C C C C	רי	32.2	16.5	39.0
5142 7114 0289 1016	<u>ئ</u>	26.7	10.4	30.0
7117	3	0.75	11.5	45.0
	0	18.5	3. 6	57.0
10.76	30	12.4	8.7	78.0
1000	7	10.6	4.5	0.00
		12.6	••	0.03
10749.2	Ç.	13.0	2.9-	25.6
11396	د،	12.3	-7.7	24.3
14229.9	œ.	4.1	-10.3	34.0

	1139 MDT	1 10			4	:	-	106.423u7 LON DEG
PRLSSURF MILLIDAKS		TLMPTRFIUNF Alo DEWPOINT DLG2:ES CLYIIG9ADE	RE L. HUM. PERCENT	GM/CUUIC	SPEED OF Sound Knots	WILD DATA DIRFCTION S DEGREES(TN) K	SPEED KNOTS	INDEX OF Refraction
C***1	7 6 7 2	15.5	0.5.	1001.5	693.5	165.1	12.0	1.000500
ن ۽ د ي	74.1	16.4	3.9.0	1001.6	683.4	165.0	12.0	1.000209
164.4	25.7	10.0	1 5.7	1007.5		160.0	11.8	1.000279
5.450	54.5	11.2	4 3.5	2.760	674.1	154.7	11.6	1.000279
L • U • J	.3.	11.1	6.7.1	202.1	672.5	149.7	11.6	1.000276
555.4	21.0	10.7	10.1	6.090	8.079	144.4	11.6	1,000275
	50.1	10.3	7 0 0	9,7,8	669.1	130.4	11.5	1,3002.69
6.562	10.0	7.0	56.3	6.570		135.4	11.1	1.760245
0	17.5	٥.6	6 (.7	954.6		131.4	10.8	1,000262
·	15.5	9.5	¥.	9.1.8		430.2	10.4	1.000259
25.5	74.5		7 (.4	6.006		128.0	10.0	1.000256
. 1 . 9	13.4	o.	4 0 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	847.3		135.1	0.0	1.000253
	12.0	7.E	7 5.4	835.2		145.7	8.1	1,000247
13.5	11.1	5.7	4.5.4	477.5		157.3	7.5	1.000218
9.7. 2	14.0	1.4	4 6.3	P 5 5 . 4		170.0	æ.	1,000272
() () ()	12.7	0.7-	3 4.6	830.1		186.5	0.6	1.000204
	12.0	-7.7	2 4.4	824.2		131.5	10.1	1.00020
	13.0	10.1	۰,6	415.7		179.6	11.2	1.000197
3.6	- 5	S.n.	27.9	404.5	655.1	175.0	12.3	1.000125
-:	7.6	3.2-	2.50	29.2.0	653.4			1.000102
7.00	· • • • • • • • • • • • • • • • • • • •	2.5	4.5	70.5				1.0001 59
7.7	1.1	-10.1	13.2	777.3				1,000186

MANDA FORT LEVELS

1440340056

GEODETIC CUORDINATES 32.48734 LAT PEG 106.42307 LON DEG

WIND DATA DIRECTION SPEED DEGREES(TN) KNOTS REL.HUM. PERCENT TABLE 19 TFMPEDATURE PRESSURE OF OPUTLATIAL STATION ALTITUDE TOUZET' FOUT MEDING TO ASCENSION HO.

11.6 11.2 9.7 8.5 157.2 136.4 130.2 177.2 45. 72. 72. AIR DEUPOINT DE CRETIGRADE 9.19 2010 2010 3010 3010 1010 1111 FLET 55 ... 90° ... 75 ... 70° ... 70° ... 65° ... MILLIPA?

A STATE OF THE STA

STATION ALTITUDE WAREAGE FFFT HELD BY MAY BY ASCENSION NO. 9

STGNIFICAUT LEVEL DATA 1440200009 DON

GFODFTIC COORDINATES 37.57709 LAT DEG 104.29439 LON DEG

PRFSSHRE	PRESSURE GENNETRIC	TEMP	TEMPFRATURE	RFL. HUM.
	ALTITUDE	AIA	DEWPOINT	PFRCENT
MILIBARS	HSI FFFT	NFGREFS	NFGREES CENTIGRADE	
A B B A	4003,7	31,5	15.0	10.0
A7A.1	4.80.1	27.9		13.0
1.050	5105.7	75.2	· -	0.14
781.1	75,17.4	17.4	æ.	57.0
723.4	9667.1	12.1	7.4	73.0
715.0	9967.3	6.1	5.1	63.0
703.7	10437.5	***	-5.9	24.0
700.0	10587.4	13.A	4.9-	24.0
450.1	12404.7	0.6	-7.4	30.0

UPPER AIR DATA	144020000	NCC

STATION ALTITUDE 4003.69 FFFT HSL 23 MAY 84 1139 MDT ASCENSION NO. 9

GF00ETIC C 32.572

GFODETIC COORDINATES 32.57209 LAT DFG 106.29439 LON DEG

SPFFD OF WIND DATA IN KNOTS FFFD COND DIRECTION SPEED COND COND COND COND COND COND COND CON						TABLE 21				
MILLIAARS DIRECTION SPECE SOUND DIRECTION SPECE SPECE	GEONFIRIC		i	PFRATURE	RFL.HIM.	DENSITY	SPFFD OF	MIND DA	T.A.	INDEX
#81.6 11.5 15.9 19.0 1002.6 682.6 120.0 9.9 #64.7 27.0 10.5 35.8 100.2 476.8 127.6 8.7 #51.8 25.5 11.0 40.1 978.1 675.2 137.3 7.8 #30.0 23.9 10.4 46.9 96.1 47.1 7.1 #24.4 22.3 10.4 46.9 96.8 144.0 7.1 #10.1 20.7 10.0 50.5 943.4 66.8 144.0 7.1 #10.1 10.2 46.9 66.8 144.0 7.1 10.3 #40.2 9.5 43.5 943.4 66.8 144.0 7.1 #40.1 10.4 46.7 94.0 94.0 144.0 160.3 #40.2 46.6 46.0 144.0 160.3 14.0 14.0 #40.2 46.8 46.0 46.0 144.0 14.0 14.0 14.0 14.0 </th <th>MSL FEET</th> <th>HILLIAARS</th> <th></th> <th>CENTIGRANE</th> <th>PFRCFNI</th> <th>METER</th> <th>KNOTS</th> <th>DIRECTION DEGREES(TN)</th> <th>SPEED KHOTS</th> <th>OF RFFRACTION</th>	MSL FEET	HILLIAARS		CENTIGRANE	PFRCFNI	METER	KNOTS	DIRECTION DEGREES(TN)	SPEED KHOTS	OF RFFRACTION
R61.7 27.0 10.5 35.8 1002.7 676.8 127.6 80.7 R51.8 25.5 11.0 40.1 990.1 675.2 137.3 7.9 R30.0 23.9 10.8 43.6 978.1 675.2 137.3 7.9 R24.4 22.3 10.4 46.9 66.3 144.0 7.1 17.1 R10.1 20.7 10.0 50.2 932.2 665.9 144.0 7.1 766.2 16.7 10.6 943.4 666.8 140.8 140.8 140.8 766.2 16.7 8.6 932.5 666.0 144.7 15.9 766.2 16.7 8.6 60.5 919.7 666.0 144.7 15.9 764.6 16.7 8.6 60.5 919.7 664.6 144.8 15.9 764.6 16.7 8.6 91.7 664.6 144.7 15.9 764.6 16.7 44.0 895.0	4003.7		3.11	15.9	19.0	1002.6	682.6	120.0	•	1.000297
R51.8 25.5 11.0 40.1 990.1 675.2 137.3 7.8 R39.0 23.9 10.8 43.6 978.1 673.5 149.5 7.1 1 R10.1 22.3 10.4 46.9 66.3 671.6 144.0 7.1 1 R10.1 20.7 10.0 50.2 954.8 669.8 144.0 7.1 <	4500.0		27.0	10.5	35 . R	1002.7	474.8	127.4	8.7	1.000277
839.0 73.9 10.8 43.6 978.1 673.5 144.0 7.1 810.1 22.3 10.4 46.9 966.3 671.6 144.0 7.1 810.1 20.3 10.4 46.9 966.3 671.6 144.0 7.1 794.0 19.1 9.5 53.5 943.4 667.9 140.8 </td <td>5000.0</td> <td></td> <td>75.5</td> <td>c. :</td> <td>40.1</td> <td>1.066</td> <td>675.2</td> <td>137.3</td> <td>7.4</td> <td>1.000276</td>	5000.0		75.5	c. :	40.1	1.066	675.2	137.3	7.4	1.000276
824.4 72.3 10.4 46.9 966.3 671.6 144.0 7.1 1 810.1 20.7 10.0 50.2 954.8 669.8 146.9 10.3 1 787.1 17.5 18.9 56.8 943.4 667.9 140.7 16.3 1 787.1 17.5 18.9 56.8 932.2 666.0 144.7 15.9 1 754.6 17.5 18.6 144.7 15.9 1	5500.0	A 30 . O	73.9	10.8	43.6	978.1	673.5	****	7.1	1.000274
RIO.1 20.7 10.0 50.2 954.8 669.8 146.9 10.3 1 794.0 19.1 9.5 53.5 943.4 667.9 140.8 14.8 1 787.1 17.5 8.9 56.8 932.2 666.0 144.7 15.9 1 766.2 16.7 8.6 919.7 664.6 144.7 15.9 1 754.6 16.7 8.0 661.7 146.7 15.9 1 741.1 13.8 8.0 661.7 160.0 11.6 1 754.0 7.6 71.7 845.0 659.4 189.3 6.4 1 707.1 14.1 -6.1 74.0 849.6 659.4 189.3 6.4 1 707.1 14.1 -6.1 74.0 849.6 659.4 189.3 6.4 1 707.1 14.1 -6.6 75.7 876.5 659.5 1 7.5 1	0.0009	A24.4	22.3	10.4	46.9	966.3		C * # T	7.1	1.000270
794.0 19.1 9.5 53.5 943.4 667.9 140.8 14.8 11 787.1 17.5 8.9 56.8 932.2 666.0 144.7 15.9 17 754.6 15.0 8.3 64.7 907.2 663.1 152.5 15.1 1 724.1 13.8 8.0 68.0 661.7 160.0 11.6 11.6 726.0 12.5 7.6 71.7 882.9 661.7 160.0 11.6 11.6 707.1 14.1 -6.1 24.0 849.6 661.0 189.3 6.4 180.3 707.0 11.6 -6.9 26.7 876.5 658.1 7.5 11.6 11.6 11.6 11.6 11.6 11.6 11.6 11	6500.n	B.10.1	20.7	c•c-	50.5	954.8		140.9	10.3	1.000267
787.1 17.5 8.9 56.8 932.2 666.0 144.7 15.9 11 766.2 16.2 8.6 60.5 919.7 664.6 146.2 17.1 754.6 15.0 8.3 64.2 907.2 663.1 152.5 15.1 1 741.1 13.8 8.0 68.0 661.7 160.0 11.6 11.6 726.0 12.5 7.6 71.7 882.9 660.2 171.1 8.5 1 714.9 12.1 4.6 75.9 869.2 659.4 189.3 6.4 1 70.1 12.8 -6.6 75.7 818.2 659.5 189.1 7.5 1 75.7 815.0 656.7 826.5 658.1 1 75.7 815.0 656.7 816.0 189.1 7.5 1 75.7 815.0 656.7	1000.0	194.0	1 . 6 !	٠. ه	53.5	943.4		140.A	- 4 · B	1.000263
766.2 16.7 8.6 60.5 919.7 664.6 148.2 17.1 1 754.6 15.0 8.3 64.2 907.2 663.1 152.5 15.1 1 741.1 13.8 8.0 68.0 661.7 160.0 11.6 11 726.0 12.5 7.6 71.7 882.9 660.2 171.1 8.5 1 714.9 12.1 4.6 59.9 889.2 659.4 189.3 6.4 1 705.1 14.1 -6.1 24.0 849.6 661.0 189.1 7.5 1 677.0 11.6 -6.9 26.7 875.0 875.0 656.7 652.8 9.2 -7.5 29.7 803.7 655.3	7500.0	787.1	17.5	4.9	56.8	932.2		144.7	15.9	1.000259
754.6 15.0 A.3 64.7 907.2 663.1 152.5 15.1 1 741.1 13.8 A.0 68.0 661.7 160.0 11.6 1 720.0 12.5 7.6 71.7 882.9 660.2 171.1 8.5 1 714.9 12.1 4.6 59.9 869.2 659.4 189.3 6.4 1 707.1 14.1 -6.1 74.0 849.6 661.0 189.1 7.5 1 677.0 11.6 -6.9 75.7 815.0 656.7 657.0 11.6 -6.9 76.7 815.0 656.7 657.8 9.2 -7.5 78.7 815.0 656.7	8000	764.2	16.2	8.6	40.5	019.7		146.2	17.1	1.000256
741.1 13.8 8.0 68.0 661.7 160.0 11.6 11 720.0 12.5 7.6 71.7 882.9 660.2 171.1 8.5 1 714.9 17.1 4.6 59.9 869.2 659.4 189.3 6.4 1 707.1 14.1 -6.1 74.0 849.6 661.0 189.1 7.5 1 689.5 12.8 -6.6 75.7 838.2 659.5 677.0 11.6 -6.9 26.7 876.5 658.1 664.8 10.4 -7.2 28.7 815.0 656.7	8500.0	754.4	15.0	A.3	44.7	907.2		152.5	15.1	1.000252
720.0 12.5 7.6 71.7 882.9 660.2 171.1 8.5 1 1714.9 1714.9 12.1 4.6 59.9 869.2 659.4 189.3 6.4 1 1 10.2 17.1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	9000	741.1	13.8	C. E	A8.0	895.0		160.0	11.6	1.000249
714.9 17.1 4.6 59.9 869.2 659.4 189.3 6.4 1 1 702.1 14.1 -6.1 24.0 849.6 661.0 189.1 7.5 1 689.5 12.8 -6.6 25.2 872.0 878.2 659.5 12.8 -6.9 26.7 876.5 658.1 16.4 -7.2 28.7 875.0 656.7 658.1 16.4 -7.2 28.7 875.0 656.7 10.4 -7.5 29.7 803.7 655.3	9500.0	724.0	12.5	7.6	7.1.7	RR2.9		171-1	9.5	1.000245
702-1 14.1 -6.1 24.0 849-6 661.0 189-1 7.5 1 689-5 12.8 -6.6 25.2 838.2 659-5 677.0 11.6 -6.9 26.7 826-5 658-1 664-8 10.4 -7.2 28.2 815.0 656.7	100001	714.9	12.1	**	49.9	969.2		189.3	4.4	1.000233
689-5 12-8 -6-6 75-7 838-2 659-5 1 1 6 -6-9 26-7 826-5 658-1 1 6 64-8 10-4 -7-2 28-7 815-0 654-7 1 652-8 9-2 -7-5 29-7 803-7 655-3	10500.0	102.1	14.1	-4.1	74.0	849.6		184.1	7.5	1.000207
677.0 11.6	11000.0	689.5	12.8	9.4-	25.2	A 3 B . 2				1.000204
464.8 10.4 -7.2 28.7 815.0 454.7 1 652.8 9.2 -7.5 29.7 803.7 655.3	11500.0	477.0	9.11	٠,4	76.7	876.5				1.0000201
652.8 9.2 =7.5 29.7 AD3.7 655.3	12000.0	464.8	10.4	-7.2	78.7	815.0				1.000198
	12500.0	852.A	9.2	-7.5	79.7	A03.7				1.000196

MANDATORY LFVELS 1440200019 00N

STATION ALTITUDE 4001.49 FFET HSt 23 MAY 84 1139 MDT ASCENSION NO. 9

GFODETIC COORDINATES 37.57209 LAT DEG 106.29439 LON DEG

PRESSURE	PRESSURE GEOPOTENTIAL		TEMPFRATURF	REL.HUM.	WIND DATA	ATA
MILLIAAPS	1 6 6 6	A I R DFGREFS	AIR DEWPOINT Degrees centigrade	PERCENT	DIRECTION SPEED Degrees ₍ tn) knots	SPEFN
) • U \$ W		15.1	11.0	+	140.2	7:5
0.00A	6857.	4.61	4.6	53.		13.5
750.		4.4	8.2	, 4 h	154.6	13:9
7004		13.A	+ - 9 -	24.		7.6